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IN THE
UNITED STATES
PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF: Katefidis
CASE: OST-031145
SERIAL NO.: 10/642,401
FILED ON: August 15, 2003
FOR: BURNER FOR A THERMAL
POST-COMBUSTION DEVICE

STATEMENT OF
BASIS FOR
RELEVANCE OF
FOREIGN
LANGUAGE
DOCUMENTS
IDENTIFIED IN
SUBMITTED PTO-
1449

COMMISSIONER
FOR PATENTS
P.O. Box 1450
Alexandria, VA 22313-1450

ATTENTION OF:

EXAMINER:

Dear Sir:

If any charges or fees must be paid in connection with the following communication, they may be paid out of our Deposit Account No. 50-0545.

<u>Publication Number</u>	<u>Publication Date</u>	<u>Basis for Relevance</u>
CH 499 748	January 15, 1971	This patent relates to a whirl muffle burner having a central supply of oil and/or gas. A lance 4 of the burner provides the fuel and is surrounded by an annular passage 50 receiving air from a conduit 3. This air is entering a head chamber 2 in tangential direction. The air is given momentum by momentum means 11 and will exit from the annular passage 50 as a whirl and intensive the mix with the fuel atomized by the atomizer nozzle 6. There is a second annular passage way 10 including an axially adjustable portion 15 and being provided with means 12 imparting momentum to the air flowing through the annular passage way 10. The tangential

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DE 44 06 369 A1

August 31, 1995

velocity component of the air exiting the central annular passage way 50 is larger than the tangential velocity component of the air exiting the outer annular passage way 40.

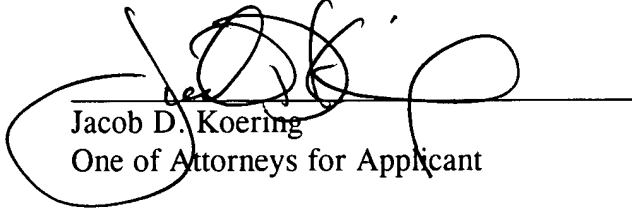
The equipment has passages (3) which supply the preheated carrier medium current, and that pipes the fuel in gas-or vapour-form necessary for combustion for the pollutants. The passages run parallel to the axial direction in one combustion-chamber end wall (1), and in which they are evenly spaced. Radial branch passages (7) emanate from each fuel feed pipe (8) which is concentric inside its respective passage. The annular chamber between the hub (15) containing the fuel pipe and the passage contains swirl-inducting vanes (4), at the vacuum side of which the branch passages discharge. Each passage with its branch passages can form an individual burner (2), all of these being of the same dimensions.

Should anything further be required, a telephone call to the undersigned at (312) 226-1818 is respectfully invited.

Respectfully submitted,

FACTOR & LAKE, LTD.

Dated: July 1, 2004


Jacob D. Koering
One of Attorneys for Applicant

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Patent Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on July 1, 2004.

Jacob D. Koering

Name of Applicant, assignee, applicant's attorney or Registered Representative


Signature



Approved for use through 07/31/2003. OMB 0651-0031

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(use as many sheets as necessary)

Sheet

1

of

2

Complete if Known

Application Number	10/642,401
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Filing Date	08/15/2003
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First Named Inventor	Katefidis
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Art Unit

Examiner Name

Attorney Docket Number	OST-031145
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[illegible][illegible]

Examiner
Signature

Date
Considered

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